

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International publication date

3 June 2004 (03.06.2004)

PCT

(10) International publication number

WO 2004/046000 A1

(51) International patent classification⁷: B65G 47/82

c/o Cermex Ouest Conditionnement, 20, rue de la Vallée, F-14100 Lisieux (FR).

(21) International application number: PCT/FR2003/003138

(22) International filing date: 23 October 2003 (23.10.2003)

(25) Language of filing: French

(26) Language of publication: French

(30) Data relating to the priority:
02/14314 15 November 2002 (15.11.2002) FR

(71) Applicant (for all designated States except US): CERMEX OUEST CONDITIONNEMENT [FR/FR]; 20, rue de la Vallée, F-14100 Lisieux (FR).

(72) Inventor; and

(75) Inventor/Applicant (US only): GOSSET, François [FR/FR];

(74) Representative: GORREE, Jean-Michel et al.; Cabinet Plasseraud, 65/67, rue de la Victoire, F-75440 Paris Cedex 09 (FR).

(81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

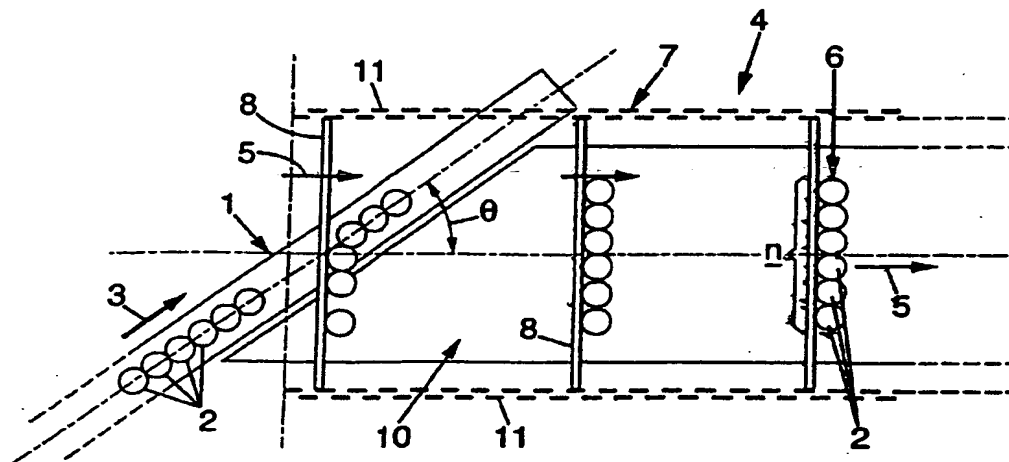
(84) Designated states (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE,

[continued on next page]

As printed

(54) Title: MACHINE FOR TRANSFERRING OBJECTS ALIGNED IN ROWS

(54) Titre : MACHINE POUR TRANSFERER DES OBJETS ALIGNES EN RANGEES.



(57) Abstract: The invention concerns a machine for transferring in successive rows (6) objects (2) initially aligned on a first conveyor (1). A second conveyor (4) comprises a tray (10) lateral to the first conveyor (1) and means for displacing objects with at least one push-member (8) mobile transversely to the first conveyor (1) such that it is urged into lateral contact with n objects (2) on the first conveyor to push them back together in a row (6) onto the tray (10) along a direction forming an angle θ ranging between 0 and 90° exclusively ($\theta \neq 0, \theta \neq 90$) relative to the first conveyor (1). Thus, the objects have speed components which are never null along the directions of movement the conveyors.

WO 2004/046000 A1

[continued on next page]